

# Xiao Li

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## WORKING EXPERIENCE

- [Santa Clara University](#)  
*Assistant Professor* September 2024 - Present
- [Takeda Pharmaceuticals](#)  
*Data Science Institute - Intern* May 2023 - August 2023

## EDUCATION

- [The University of Texas at Dallas](#) Richardson, USA  
*Ph.D - Computer Science* August 2019 - May 2024
- [Dalian University of Technology](#) Dalian, China  
*ME - Software Engineering* September 2016 - June 2019
- [Dalian University of Technology](#) Dalian, China  
*BE - Software Engineering* September 2012 - June 2016

## PUBLICATIONS

1. **A Blockchain-empowered Multi-Aggregator Federated Learning Architecture in Edge Computing with Deep Reinforcement Learning Optimization.**  
Xiao Li, Weili Wu.  
IEEE Transactions on Computational Social Systems (IEEE TCSS), 2024: 1-13, [10.1109/TCSS.2024.3481882](#)
2. **A Novel Framework for Textual Extraction on Cybersecurity Disclosure.**  
Hongmin Du, Xiao Li, Miklos Vasarhelyi and Won Gyun No.  
Information System Researches, Under review, 2024.
3. **Blockchain Driven Privacy Preserving Contact Tracing Framework in Pandemics.**  
Xiao Li, Weili Wu and Tiantian Chen.  
IEEE Transactions on Computational Social Systems (IEEE TCSS), 2024: 1-11, [DOI: 10.1109/TCSS.2024.3351191](#)
4. **Machine Learning with Low Resource Data from Psychiatric Clinics.**  
Hongmin Du, Neil Chen, Xiao Li, Miklos Vasarhelyi.  
The 16th International Conference on Combinatorial Optimization and Applications (COCOA), 2023, vol 14462, [DOI: 10.1007/978-3-031-49614-1.34](#)
5. **Recent Advances of Blockchain and Its Applications.**  
Xiao Li and Weili Wu.  
IEEE Journal of Social Computing, 2022. 3(4): 356-394, [DOI: 10.23919/JSC.2022.0016](#)
6. **Bitcoin Daily Price Prediction Through Understanding Blockchain Transaction Pattern with Machine Learning Methods.**  
Xiao Li and Linda Du.  
Journal of Combinatorial Optimization (JOCO), 2022. 45(1): 4, [DOI: 10.1007/s10878-022-00949-9](#)
7. **Energy efficiency optimization for multiple chargers in Wireless Rechargeable Sensor Networks.**  
Yi Hong, Chuanwen Luo, Deying Li, Zhibo Chen, Xiyun Wang, and Xiao Li.  
Theoretical Computer Science (TCS), 2022. 922: 193-205, [DOI: 10.1016/j.tcs.2022.04.024](#)
8. **A Multi-window Bitcoin Price Prediction Framework on Blockchain Transaction Graph.**  
Xiao Li and Linda Du.  
The 15th International Conference on Algorithmic Applications in Information and Management (AAIM), 2021: 317-328, [DOI: 10.1007/978-3-030-93176-6.27](#)
9. **Maximizing Energy Efficiency for Charger Scheduling of WRSNs.**  
Yi Hong, Chuanwen Luo, Zhibo Chen, Xiyun Wang, and Xiao Li.  
The 15th International Conference on Algorithmic Applications in Information and Management (AAIM), 2021: 111-122, [DOI: 10.1007/978-3-030-93176-6.10](#)
10. **A Universal Method Based on Structure Subgraph Feature for Link Prediction over Dynamic Networks.**  
Xiao Li, Wenxin Liang, Xianchao Zhang, Xinyue Liu and Weili Wu.  
IEEE 39th International Conference on Distributed Computing Systems (IEEE ICDCS), 2019: 1210-1220, [DOI: 10.1109/ICDCS.2019.00122](#)

11. **Influence Maximization in Signed Social Networks With Opinion Formation.**  
Wenxin Liang, Chengguang Shen, **Xiao Li**, Ryo Nishide, Ian Piumarta and Hideyuki Takada.  
IEEE Access, 2019. 7: 68837-68852, DOI: [10.1109/ACCESS.2019.2918810](https://doi.org/10.1109/ACCESS.2019.2918810)
12. **Supervised ranking framework for relationship prediction in heterogeneous information networks.**  
Wenxin Liang, **Xiao Li**, Xiaosong He, Xinyue Liu, Xianchao Zhang.  
Applied Intelligence (Appl. Intell.), 2018. 48(5): 1111-1127, DOI: [10.1007/s10489-017-1044-7](https://doi.org/10.1007/s10489-017-1044-7)

## HONORS AND AWARDS

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- Jan Van der Ziel Fellowship - The University of Texas at Dallas, April, 2023
- Best Community Impact Award - CAST/UTD STEM Summer Camp, August, 2022
- Teaching Assistantship - The University of Texas at Dallas, August, 2019
- Best Thesis Award - Dalian University of Technology, June, 2019
- Excellent Graduate Student - Dalian University of Technology, December, 2017
- Excellent Undergraduate - Dalian University of Technology, January, 2016
- National Inspiration Scholarship - Dalian University of Technology, November, 2015
- Excellent Academic Scholarship (Second Prize) - Dalian University of Technology, October, 2015

## ACADEMIC SERVICE

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- **Web Chair, Registration Chair:** The 29th International Computing and Combinatorics Conference (COCOON 2023)
- **Web Chair, Registration Chair, Publication Chair:** The 16th Annual International Conference on Combinatorial Optimization and Applications (COCOA 2023)
- **Publication Chair:** The 15th EAI International Conference on Wireless Internet (EAI WiCON 2022)
- **Web Chair, Registration Chair:** The 14th Annual International Conference on Combinatorial Optimization and Applications (COCOA 2020)
- **Journal and Conference Reviewer:**
  - Journal of Industrial Information Integration, 2023
  - Journal of Business Research, 2021
  - Information Sciences, 2020
  - DASFAA 2020: 25th International Conference on Database Systems for Advanced Applications
  - KDD 2020, 26th ACM Sigkdd Conference on Knowledge Discovery and Data Mining
  - ICDCS 2019: The 39th IEEE International Conference on Distributed Computing Systems
  - ICDM 2018: The 18th IEEE International Conference on Data Mining
  - IJCAI 2018: The 27th International Joint Conference on Artificial Intelligence
  - WSDM 2017: The 10th ACM International Conference on Web Search and Data Mining
  - PAKDD 2017: The 21th Pacific-Asia Conference on Knowledge Discovery and Data Mining